



**SCT-AU Reference Set Library -
Release Note**

Pathology Terminology

16 April 2009

Draft for comment

National E-Health Transition Authority Ltd

Level 25

56 Pitt Street

Sydney, NSW, 2000

Australia.

www.nehta.gov.au

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1 Purpose

The purpose of this document is to provide a brief description of the SCT-AU Pathology Terminology deliverables as well as their location, value domain bindings, release forms, and to provide links to supporting documentation relevant to the release.

2 Change Log

Stakeholder feedback on the *Discharge Terminology Approach* document dated 26 September 2008 and *Pathology Terminology Approach* document dated 31 October 2008 centred on a number of questions relating to implementation. More specifically, it provided clarification concerning the intended purpose of the reference sets released (e.g. for the user interface and/or to support messaging, potential reuse of reference sets, and a desire for greater understanding concerning inclusion and exclusion of SNOMED CT concepts).

With this stakeholder feedback in mind, this release of clinical terminology is a deliberate attempt to shift our emphasis to the provision of clear information regarding the intended purpose of reference sets, limitations on the use and re-use of reference sets, high-level implementation strategies and roadmaps. Additional information concerning implementation is available in the *SCT-AU Reference Set Implementation Guide*, dated 16 April 2009.

NEHTA's terminology work features an iterative development lifecycle designed to incorporate feedback following each successive release. The table below presents the changes that have occurred since Pathology Terminology Release - 20081031.

Version	Change Log
16 April 2009	<ul style="list-style-type: none"> • Addition of the following reference sets: <ul style="list-style-type: none"> – Pathology Specimen Characteristic reference set – Pathology Specimen Quality reference set – Pathology Abnormal Result Indicator reference set – Pathology Out of Range Indicator reference set. • Updating content of previously released reference sets to the SNOMED CT January 2009 International Release. • Maintenance activities on previously released reference sets. • Changes to documentation structure and content, in line with feedback, maintenance activities and the creation of new reference sets.
31 October 2008	Pathology Terminology Release - 20081031

3 Supporting Documentation

3.1 NEHTA Specifications

The following specification is available for download from the NEHTA Website¹.

3.1.1 Structured Document Template - Pathology Result Report

3.1.1.1 About

The Structured Document Template - Pathology Result Report is aimed at standardising the identification, naming, definition and interrelationships of information components for use in Pathology Result Reports. The specification describes the data elements for use within pathology communications for reports and identifies the data necessary for capture, storage and display. The Structured Document Template outlines the allowable content of the information to be exchanged for a Pathology Result Report and structures the content in a manner that delivers context and meaning. It provides an information framework on which to achieve semantic interoperability, independent of any messaging format.

3.1.1.2 Intended Audience

The intended audience for this document includes software developers, IT aware clinicians, health informatics specialists and researchers.

3.1.1.3 Version

This document is provided as a public draft for comment.

File Details

Current Version date	Filename
0.4/ 27 Aug 2008	NEHTA_0259_2008- Draft_Structured_Document_Template_PRR_V0.4.pdf

¹ http://www.nehta.gov.au/component/docman/doc_download/543-structured-document-template-pathology-result-report-v04-draft-

3.2 SCT-AU Release Documentation

The following supporting documentation is available for download under the following path within the Australian Health Terminology (AHT) Secure Website:²

Downloads > Pathology Data Specifications and Terminology

Note: Documents listed below contain SNOMED CT International Release data and are only available to current licencees of SNOMED CT. To apply for a licence simply register with NEHTA via the AHT Secure Website.³

3.2.1 SCT-AU Terminology Release Note – Pathology

3.2.1.1 About

This Release Note accompanies the Pathology Terminology deliverables. The purpose of this document is to provide a brief description of the SCT-AU Pathology Terminology deliverables and their location, terminology bindings and also to provide links to supporting documentation relevant to the release.

3.2.1.2 Intended Audience

The intended audience for this document includes all stakeholders that have an interest in the SCT-AU Pathology Terminology release.

3.2.1.3 Version

File Details

Current Version date	Filename
16 April 2009	NEHTA_0382_2009_SCT_AU_Terminology_Release_Note_Pathology_20090416.pdf

3.2.2 SCT-AU Reference Set Library – Pathology

3.2.2.1 About

This document describes the scope for the SCT-AU terminology in this Pathology Terminology release and how developed reference sets support SNOMED CT adoption. It provides those high-level constraints being used in the creation and development of the terminology reference sets. Permissible concept examples are provided to enable better understanding of the content of each reference set, along with how SCT-AU terminology is aligned to the relevant Structured Document Template. This document describes the rationale behind the approach taken to develop terminology to support the Structured Document Template - Pathology Result Report.

3.2.2.2 Intended Audience

The intended audience for this document are those in the pathology healthcare domain, in particular pathology laboratory scientific and technical staff, laboratory information systems suppliers and implementers, laboratory information systems support staff, pathologists. Stakeholders with specialised

² https://nehta.org.au/aht/index.php?option=com_docman&task=cat_view&gid=25&Itemid=40

³ <https://nehta.org.au/aht/index.php>

knowledge of the SNOMED CT concept model and its application to clinical information models will be most familiar with the document content.

3.2.2.3 Version

This document is provided as a public draft for comment.

File Details

Current Version date	Filename
16 April 2009	NEHTA_0381_2009_SCT_AU_Terminology_Reference_Set_Library_Pathology_Draft_20090416.pdf

3.2.3 SCT-AU Reference Set Implementation Guide

3.2.3.1 About

This document describes the purpose of the terminology reference set release and expands on some of the considerations that should be made when implementing these reference sets.

3.2.3.2 Intended Audience

The intended audience for this document includes systems developers, health informatics specialists, purchasers, and system integrators.

3.2.3.3 Version

This document is provided as a draft for comment.

File Details

Current Version date	Filename
16 April 2009	NEHTA_0401_2009_SCT_AU_Reference_Set_Implementation_Guide_Draft_20090416.pdf

3.3 SNOMED CT Supporting Documentation

The following documentation is available for download as part of the SNOMED CT International Release, which can be downloaded from the AHT Secure Website under the following path:⁴

Downloads > IHTSDO SNOMED CT® Complete International Release

The International Release contains a number of sub-directories: the SNOMED CT supporting documentation is available under the following path within the release:

Essential Resources > Documentation and Other Resources

Note: Access to these documents is restricted to current licencees of SNOMED CT. To apply for the free licences, please register at <https://nehta.org.au/aht>.

3.3.1 SNOMED CT User Guide

3.3.1.1 About

The *User Guide* is intended to provide an overview to SNOMED CT's capabilities and uses from a content perspective. It explains the content and the principles used to model the terminology.

3.3.1.2 Intended Audience

This document is intended for clinical personnel, business directors, software project managers, and project leaders. Information technology experience, though not necessary, is helpful.

3.3.1.3 Version

File Details:

Current version date	Filename
January 2009	SNOMED_CT_User_Guide_20090131.pdf

⁴ https://nehta.org.au/aht/index.php?option=com_docman&task=cat_view&gid=20&Itemid=40

3.3.2 SNOMED CT Technical Reference Guide

3.3.2.1 About

The *Technical Reference Guide* contains reference material related to the current release of SNOMED CT and includes file layouts, field sizes, required values, and their meanings and high-level data diagrams. It can be used to install and use SNOMED CT.

3.3.2.2 Intended Audience

This document is intended for SNOMED CT implementers, such as software developers. The guide assumes an information technology background. Clinical knowledge is not a prerequisite.

3.3.2.3 Version

File Details

Current version date	Filename
January 2009	SNOMED_CT_Technical_Reference_Guide_20090131.pdf

3.3.3 SNOMED CT Technical Implementation Guide

3.3.3.1 About

The *Technical Implementation Guide* contains guidelines and advice about the design of applications using SNOMED CT, and covers topics such as terminology services, entering and storing information, and migration of legacy information.

3.3.3.2 Intended Audience

This document is intended for SNOMED CT implementers, such as software developers. The guide assumes information technology and software development experience. Clinical knowledge is not required, although some background is helpful to understand the application context and needs.

3.3.3.3 Version

File Details

Current version date	Filename
January 2009	SNOMED_CT_Technical_Implementation_Guide_20090131.pdf

4 SCT-AU Release Files

The following SCT-AU Release Files are available for download under the following path within the Australian Health Terminology (AHT) Secure Website:⁵

Downloads > Pathology Data Specifications and Terminology

Artefacts listed below contain SNOMED CT International Release data and are only available to current licencees of SNOMED CT. To apply for a licence simply register with NEHTA via the AHT Secure Website.⁶

4.1 SCT-AU Reference Set Viewer

SCT-AU terminology is released in a SNOMED CT viewer. The viewer enables users to view the content of the reference sets for the applicable data groups and data elements:

Concepts that have been methodically selected from relevant SNOMED CT hierarchies are the basis for the reference sets and satisfy the relevant SDT.

The package of items within the zipped viewer folder consists of:

- SCT-AU Viewer with Installation Guide and User Manual (PDF)
- SCT-AU Viewer Licence (PDF)
- SCT-AU Viewer installer:
 - Windows (NEHTA_0383_2009_SCT_AU_Terminology_Viewer_Win_Draft_20090416.zip)
 - Macintosh (NEHTA_0384_2009_SCT_AU_Terminology_Viewer_Mac_Draft_20090416.zip)

4.2 Distribution Files

The SCT-AU Pathology Distribution File (NEHTA_0385_2009_SCT-AU_Distribution_File_Pathology_Draft_20090416.zip) associated with this release is based on the January 2009 SNOMED CT International Release. This file is provided as a draft for comment.

The SCT-AU Pathology Distribution File contains:

- Three data files:
 - Concepts
 - Descriptions
 - Relationships
- UK Language Subset
- ICD-9-CM Mapping Files
- Reference sets

⁵ https://nehta.org.au/aht/index.php?option=com_docman&task=cat_view&gid=25&Itemid=40

⁶ <https://nehta.org.au/aht/index.php>

5 Supporting Tool

The following supporting tool is available for download under the following path within the Australian Health Terminology (AHT) Secure Website:⁷

Downloads > Pathology Data Specifications and Terminology

The supporting tool listed below contains SNOMED CT International Release data and are only available to current licencees of SNOMED CT. To apply for a licence simply register with NEHTA via the AHT Secure Website.⁸

5.1.1 SCT-AU Pathology Mapping Tool

The purpose of the SCT-AU Pathology Mapping Tool is to provide an efficient mechanism to allow users to map their local terms to concepts in the terminology reference sets.

The tool includes the functionality to import local test terms into the tool, map them to relevant concepts in the terminology reference sets and export the mapped results to a spreadsheet.

The file contains:

- SCT_AU_Pathology_Mapping_Tool_User_Guide_Draft_20090416.pdf;
- SCT_AU_Pathology_Mapping_Tool_Draft_20090416.mde;
- Import directory containing an example source term file (SourceTerm_Example.txt); and
- Export directory that is empty but provides directory for mapped terms to be exported to.

The SCT-AU Pathology Mapping Tool User Guide details the various functionalities of the tool and explains the mapping process.

File Details:

Current version date	Filename details
16 April 2009	NEHTA_0386_2009_SCT_AU_Pathology_Mapping_Tool_Draft_20090416.zip

⁷ https://nehta.org.au/aht/index.php?option=com_docman&task=cat_view&gid=25&Itemid=40

⁸ <https://nehta.org.au/aht/index.php>

6 Reference Set Binding Information

Terminology reference sets consist of appropriately constrained SNOMED CT concepts for the data elements described in the Structured Document Template - Pathology Result Report. The following table provides the information required to associate the Terminology Reference Set to the relevant Data Element. Only those reference sets being published for this release are tabulated below.

Table 1 Reference Set Binding Information

Reference set Name & ID	Data Element Name & ID	Value Domain Name & ID	Data Element Description	Source Terminology	Relevant Structured Document Template
Pathology Request Test Name reference set 1021000036104	Request Test Name DE – 11017	Request Test Name Values VD – 11017	The term representing the requested pathology investigations. The term may represent a single analyte or a panel of grouped tests to be performed.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>
Pathology Specimen Anatomical Site reference set 6021000036108	Specimen Anatomical Site DE – 11010	Specimen Anatomical Site Values VD – 11010	The categorisation of the anatomical site from which a specimen was obtained from an individual for pathology investigation.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>
Pathology Specimen Qualifier reference set 5021000036101	Specimen Qualifier DE – 11009	Specimen Qualifier Values VD – 11009	Information that defines characteristics of the specimen which need to be taken into consideration when analysing the specimen or interpreting the results.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>

Reference set Name & ID	Data Element Name & ID	Value Domain Name & ID	Data Element Description	Source Terminology	Relevant Structured Document Template
Pathology Specimen Type reference set 4021000036102	Specimen Type DE – 11008	Specimen Type Values VD – 11008	The categorisation of the sample taken from an individual and submitted for pathology investigation.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>
Pathology Testing Method reference set 3021000036100	Testing Method DE – 11025	Test Method Values VD – 11025	A description of the specific analytical principle or method used by the laboratory to perform the analyses and produce the results for the requested pathology test(s). The method used has a critical impact in the comparability of results. A decision on diagnosis can be affected by the method used based on likelihood of false or true positives and negatives related to sensitivities and specificities of tests.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>
Pathology Result Test Name reference set 2021000036107	Result Test Name DE – 32001	Result Test Name Values VD – 32001	The term representing the pathology investigations completed by the pathologist. The term may represent a single analyte or a panel of grouped tests that have been performed.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>

Reference set Name & ID	Data Element Name & ID	Value Domain Name & ID	Data Element Description	Source Terminology	Relevant Structured Document Template
Pathology Out of Range Indicator reference set 32565021000036101	Out of Range Indicator DE – 11028	Out of Range Indicator VD-11028	Indicates whether the result is within or outside of its reference ranges. This indicator may also describe the relative amount the result is lower or higher than the reference range.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>
Pathology Abnormal Result Indicator reference set 32562021000036107	Abnormal Result Indicator DE – 11027	Abnormal Result Indicator VD-11027	Indicates the degree of diagnostic significance associated with an abnormal pathology test result based on all the available clinical information (including but not limited to the reference range).	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>
Pathology Specimen Characteristic reference set 32560021000036106	Specimen Characteristic DE – 11015	Specimen Characteristic VD-11015	The clinical finding on initial morphological analysis of a specimen that identifies artefacts of the collection process that impact the analysis and interpretation of the result.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>
Pathology Specimen Quality reference set 32561021000036104	Specimen Quality DE – 11016	Specimen Quality DE-11016	An assessment of the 'suitability for testing' of the specimen collected for analysis.	SNOMED CT	<i>Structured Document Template – Pathology Result Report v0.04 (SDT-PRR)</i>